

**AMENDMENTS IN THE ABSTRACT:**

**METHOD AND APPARATUS FOR DISTRIBUTING TIMING DATA ACROSS A  
PACKET NETWORK**

A method ~~for~~ for distributing timing information across a packet network [7].—The ~~method comprises~~ includes generating timing signals at a master clock [8] at predictable intervals using a clock reference of a given frequency. The timing signals are broadcast or multicast to a plurality of slave clocks [9] over ~~said~~ the packet network [7], preserving the timing signal intervals. At each ~~said~~ slave clock [9], the intervals between successively received timing signals are determined. A clock recovery algorithm is applied to ~~said~~ the determined intervals to recover in substantially real time the original clock frequency. The local clock frequency of the slave clock is ~~synchronised~~ synchronized to the recovered frequency.